

WHAT IS CLAIMED IS:

1. A gel-resistant carrier for a biocide which comprises:
 - (i) between about 0 and about 50 wt.% of an organic oil;
 - (ii) between about 15 and about 30 wt.% of a terminally hindered carbodiimide;
 - (iii) between about 15 and about 90 wt. % of a lipophilic/hydrophilic mixture having an HLB of from about 6 to about 20 and
 - (iv) between about 0.5 and about 30 wt. %, based on (i) through (iii), of an anti-gelling agent selected from the group consisting of an inorganic oxide, an epoxylated naturally occurring or synthetic vegetable oil, an epoxy ester of a saturated or unsaturated aliphatic C₆ to C₁₈ aliphatic acid optionally containing hydroxy substitution and mixtures of said anti-gelling agents.
2. The carrier of claim 1 wherein said anti-gelling agent is an oxide of Ca, Mg, Zn or Al.
3. The carrier of claim 2 wherein said anti-gelling agent is CaO.
4. The carrier of claim 1 in which said anti-gelling agent is an epoxy-containing compound wherein the epoxy moiety content is at least 5% of the double bond and/or hydroxy content in the anti-gelling agent compound.
5. The carrier of claim 1 wherein said anti-gelling agent is an epoxidized vegetable oil.

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6. The carrier of claim 5 wherein said anti-gelling agent is selected from the group of epoxidized linseed oil, safflower oil and or soybean oil or a mixture thereof.

7. A gel resistant, biocidally active concentrate or solution containing (a) between about 0.05 and about 25 wt.% of a biocidally active component; (b) between about 0 and about 40 wt.% of an organic oil; (c) between about 2 and about 20 wt.% of a terminally hindered carbodiimide; (d) between about 10 and about 80 wt.% of a lipophilic/hydrophilic emulsifier mixture having a HLB of from about 6 to 20 and (e) between about 0.5 and about 20 wt.%, based on (a) through (d), of an aliphatic anti-gelling agent selected from the group consisting essentially of an inorganic oxide, an epoxidized ester of a naturally occurring or synthetic vegetable oil and an epoxidized ester of a saturated or unsaturated C₆ to C₁₈ aliphatic acid optionally containing hydroxy substitution and mixtures of said anti-gelling agents

8. The gel-resistant biocidally active concentrate or solution of claim 7 in which said anti-gelling agent is an epoxidized compound wherein the epoxy moiety represents at least 5% of the total double bond and/or hydroxy content in the anti-gelling agent compound.

9. The composition of claim 7 wherein said carbodiimide contains a terminal nitrogen atom substituted with a radical selected from the group consisting of a lower alkyl phenyl, sulfonate, sulfonamide, imido, imidoester.

10. The composition of claim 7 wherein said carbodiimide is bis(tetra- and/or di- isopropyl phenyl) carbodiimide.

11. The composition of claim 7 wherein said carbodiimide is bis(alkoxyphenyl)carbodiimide.

12. The composition of claim 7 wherein said emulsifier mixture has an acid number less than 5.

13. The composition of claim 12 wherein said emulsifier mixture includes an oil containing 5 to 60 C₂ to C₃ alkoxy groups.

14. The composition of claim 7 wherein said emulsifier mixture includes an ethoxylated castor oil.

15. The composition of claim 7 wherein said hydrophilic emulsifier is a hydroxylated ester of a carboxylic acid which contains 5 to 60 C₂ to C₃ alkoxy units or a mixture thereof.

16. The composition of claim 7 wherein said hydrophilic emulsifier is selected from the group consisting of an ethoxylated sorbitan mono-, di- and/or tri- oleate and a C₈ to C₁₂ alkyl phosphate or a mixture thereof.

17. The composition of claim 7 wherein said anti-gelling agent is employed at a concentration of between about 1 and about 15 wt.% of components (a) through (d) of the concentrate composition.

18. The composition of claim 7 wherein said anti-gelling agent is an oxide of Ca, Mg, Zn or Al or a mixture thereof.

19. The composition of claim 18 wherein said anti-gelling agent is Al₂O₃.

20. The composition of claim 7 wherein said anti-gelling agent is epoxylated linseed, safflower or soybean oil or a mixture thereof

21. The composition of claim 7 wherein said anti-gelling agent is epoxidized linseed oil.

22. The composition of claim 1 wherein the HLB of the emulsifier mixture is between 6 and 11.

23. A homogeneous microemulsion comprising the concentrate and anti-gelling agent of claim 7 diluted with solvent to between about 1:10 and about 1:10,000 parts of concentrate to parts of solvent.

24. The microemulsion of claim 23 wherein the solvent is water and the active component is a water soluble or water insoluble compound.

25. The microemulsion of claim 23 wherein the active biocide is water insoluble and is dissolved in a N-C₈ to C₁₂ alkyl pyrrolidone.

26. The microemulsion of claim 23 wherein the active compound is N-cyclopropyl-1, 3, 5-triazine-2, 4, 6-triamine or N-methyl bis(2,4-xylyliminomethyl amine).

27. The microemulsion of claim 23 which is diluted between about 1:10 and about 1:1,000 with solvent and said solvent is water.